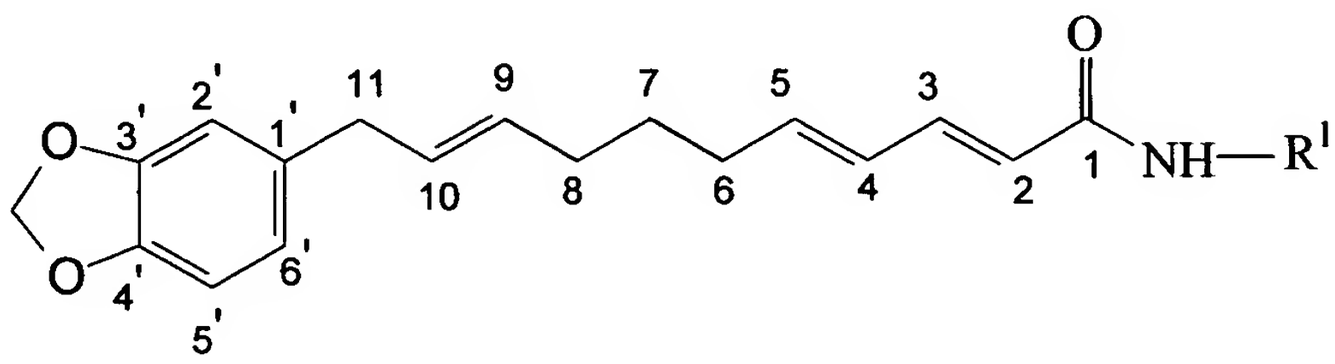
LISTING OF CLAIMS

1. (Canceled)

2. (Canceled)

3. (Currently Amended) An essentially pure compound having the following structure of Formula II:



wherein R^1 is ~~t-butyl group [-CH_2-$CH(CH_3)_2$]~~ isobutyl (-CH_2-$CH(CH_3)_2$).

4. (Currently Amended) A pharmaceutical composition comprising [[an]] a therapeutically effective amount of the essentially pure compound as claimed in ~~claim 1~~ claim 3 together with at least one pharmaceutically acceptable excipient.

5. (Currently Amended) The pharmaceutical composition of claim 4, wherein the composition is in oral form.

6. (Currently Amended) The pharmaceutical composition of claim 4, wherein the composition is in intravenous form.

7. (Currently Amended) The pharmaceutical composition of claim 4, wherein the composition is in subcutaneous form.

8. (Currently Amended) The pharmaceutical composition of claim 4, wherein the composition is in intramuscular form.

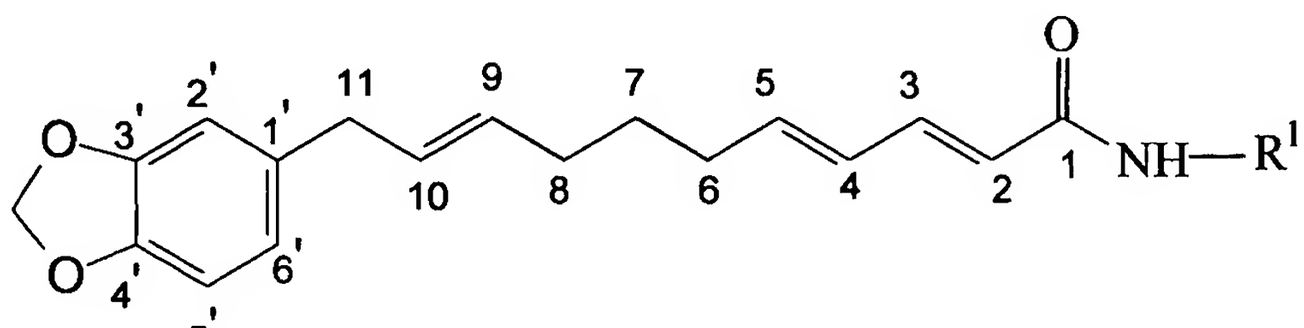
9. (Currently Amended) The pharmaceutical composition of claim 4, wherein the composition is in inhalation form.

10. (Canceled)

11. (Currently Amended) The ~~chemically modified compound according to claim 10~~ pharmaceutical composition of claim 4, wherein said composition is chemically modified as a therapeutically effective ~~compound is a~~ salt.

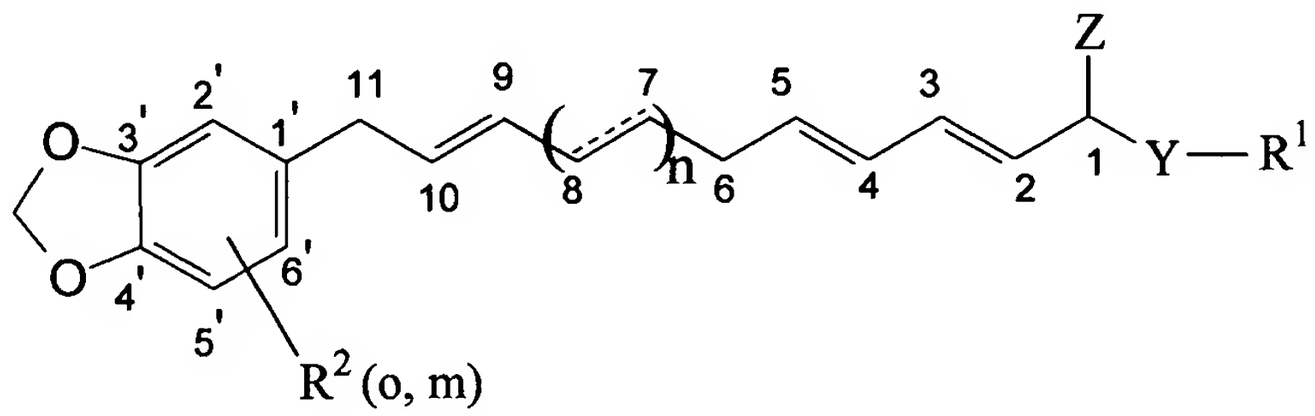
12. (Canceled)

13. (Currently Amended) A method of obtaining ~~a compound as claimed in claim 1~~ an essentially pure compound of Formula II:



wherein R^1 is isobutyl ($-CH_2-CH(CH_3)_2$), comprising extracting and purifying the compound from Piper laetispicum of Piperaceae family.

14. (Currently Amended) A method of treating a disease characterized as mental disorder, comprising administering to a patient suffering from said disease with a therapeutically effective amount of an essentially pure compound of Formula I:



wherein R^1 is selected from the group consisting of hydrogen, C_{1-10} alkyl and aromatic cyclic group, R^2 is selected from the group consisting of hydrogen, OR^3, NH_2, NHR^3, and halogen,

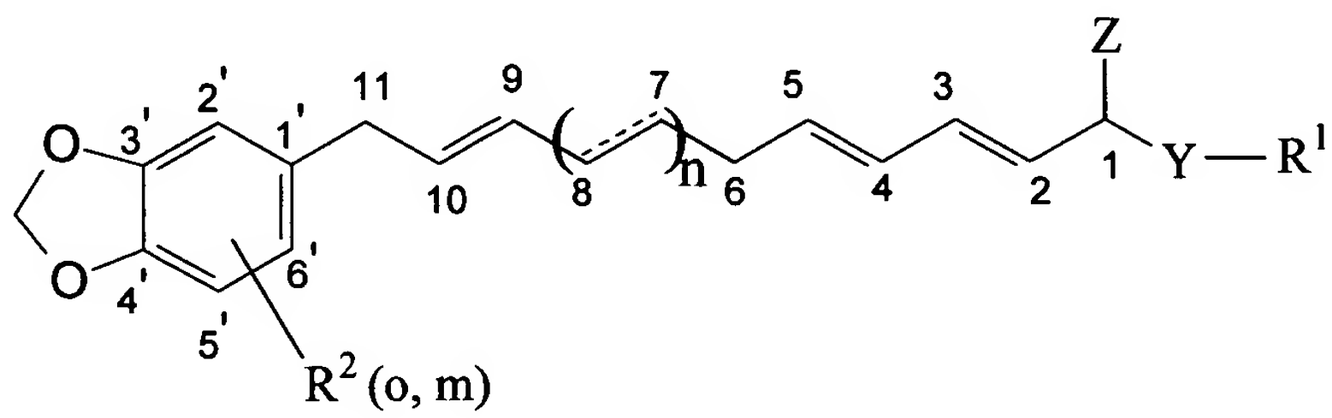
Z is selected from the group consisting of =O, OH, NHR^3 , SH, and SR^3, wherein R^3 is C_{1-10} alkyl or aromatic cyclic group, $(C_7\text{-}C_8)_n$ includes at least one single bond or at least one double bond, n is an integer having a value of 0 to 10, and Y is selected from the group consisting of NH, NR^3-, O, and S. ~~with said disease an effective amount of a compound as claimed in claim 1.~~

15. (Original) The method of claim 14, wherein the disease is depression.

16. (Original) The method of claim 14, wherein the disease is psychopathic disease.

17. (Original) The method of claim 14, wherein the disease is Alzheimer's disease.

18. (Currently Amended) A method of alleviating a symptom characterized as inflammation and pain, comprising administering to a subject suffering from said symptom with a therapeutically effective amount of an essentially pure compound of Formula I:



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wherein R^1 is selected from the group consisting of hydrogen, C_{1-10} alkyl and aromatic cyclic group, R^2 is selected from the group consisting of hydrogen, OR^3, NH_2, NHR^3, and halogen,

Z is selected from the group consisting of =O, OH, NHR^3 , SH, and SR^3, wherein R^3 is C_{1-10} alkyl or aromatic cyclic group, $(C_7\text{-}C_8)_n$ includes at least one single bond or at least one double bond, n is an integer having a value of 0 to 10, and Y is selected from the group consisting of NH, NR^3-, O, and S. ~~with said symptom an effective amount of a compound as claimed in claim 1.~~